
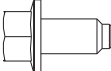


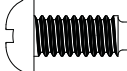


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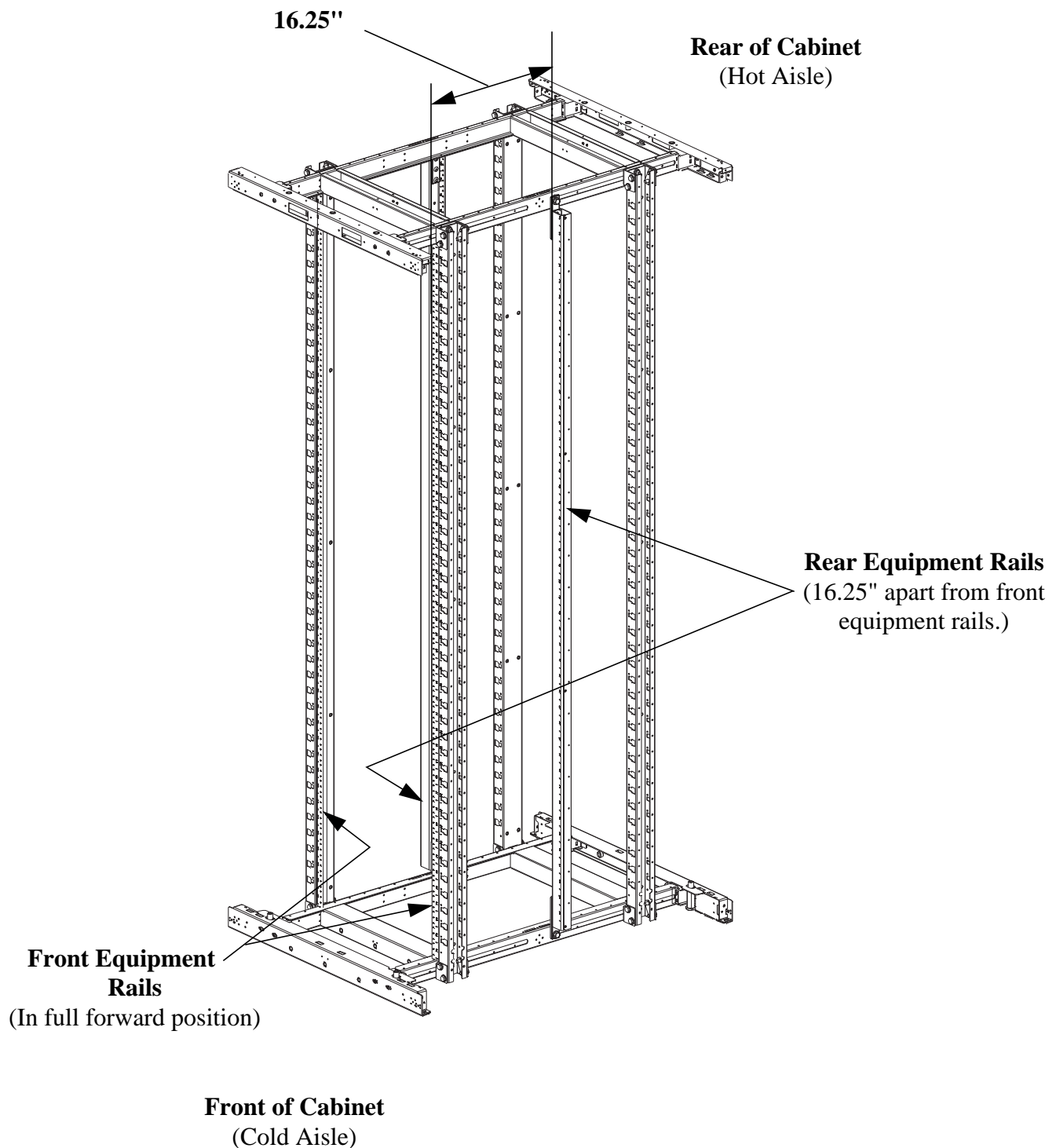
Tools Needed:

- Socket Wrench
- M5 Socket
- Phillips Head Screw Driver

				
M5 Nut	M5 X 10mm Hex Head Screw	M3 X 8mm Pan Head Screw	M5 X 8mm Button Head Screw	#12-24 X 1/2" Round Head Screw

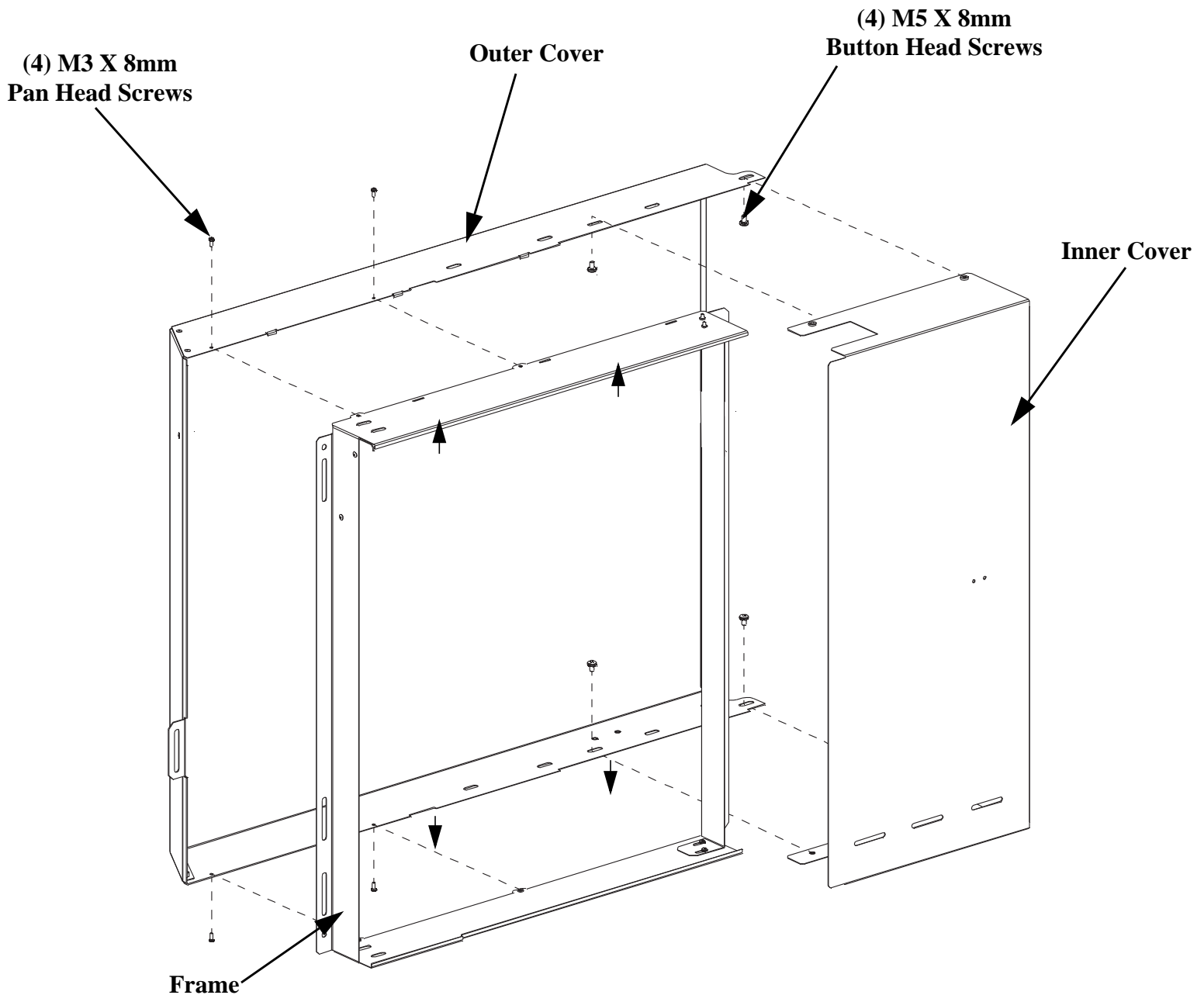
Equipment Rail Spacing

- Front equipment should be in the complete forward position.
- Front and back equipment rail spacing must be 16.25" apart.



Preparing Side Duct for Installation

- Unscrew (4) M5 x 8mm button head screws rear cover. (Screws will be used later in installation.)
- Separate rear cover from outer cover.
- Unscrew (4) M3 x 8mm pan head screws from outer cover. (Screws will be used later in installation.)
- Separate outer cover from frame.

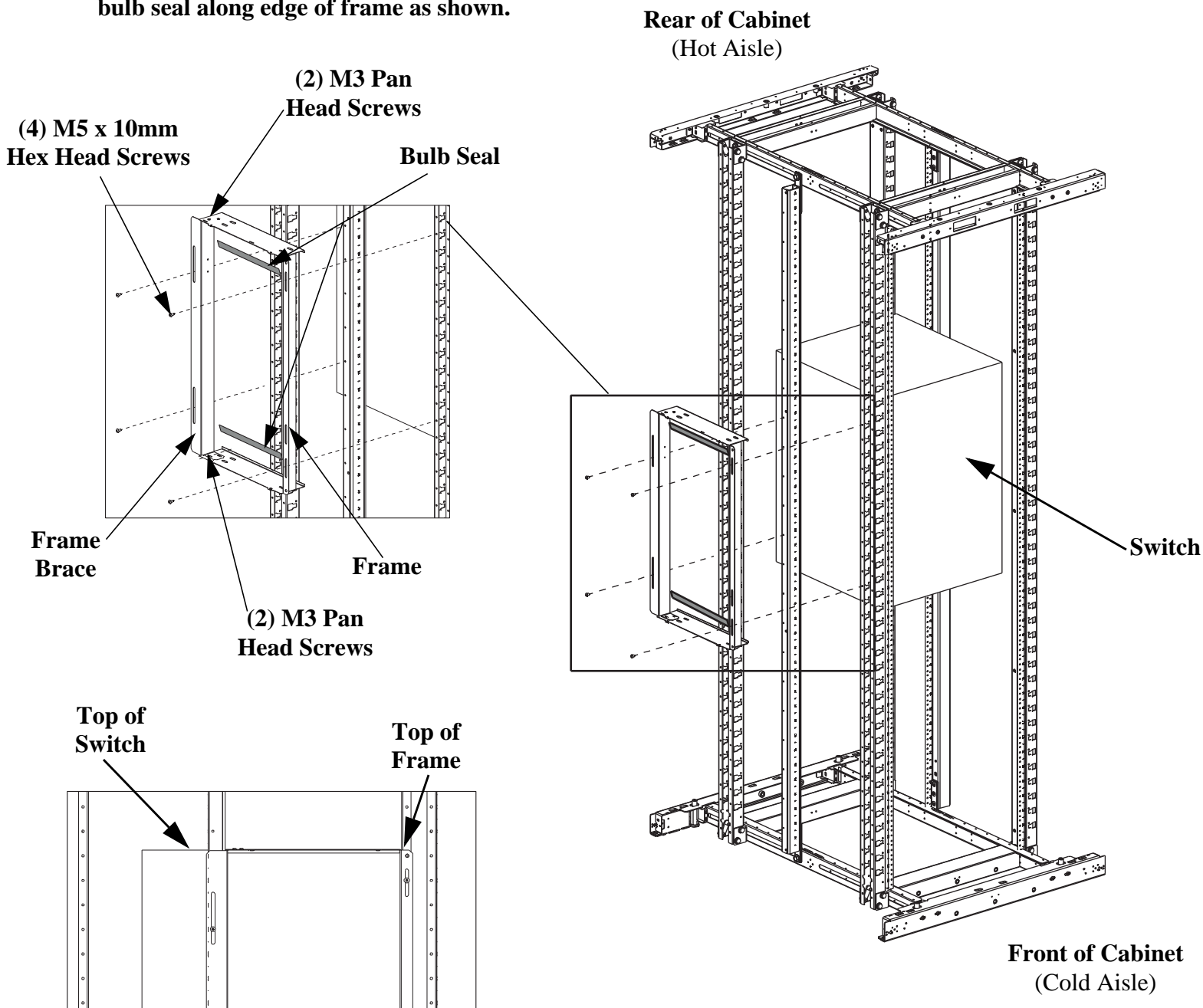


DAY 1

SIDE DUCT INSTALLATION

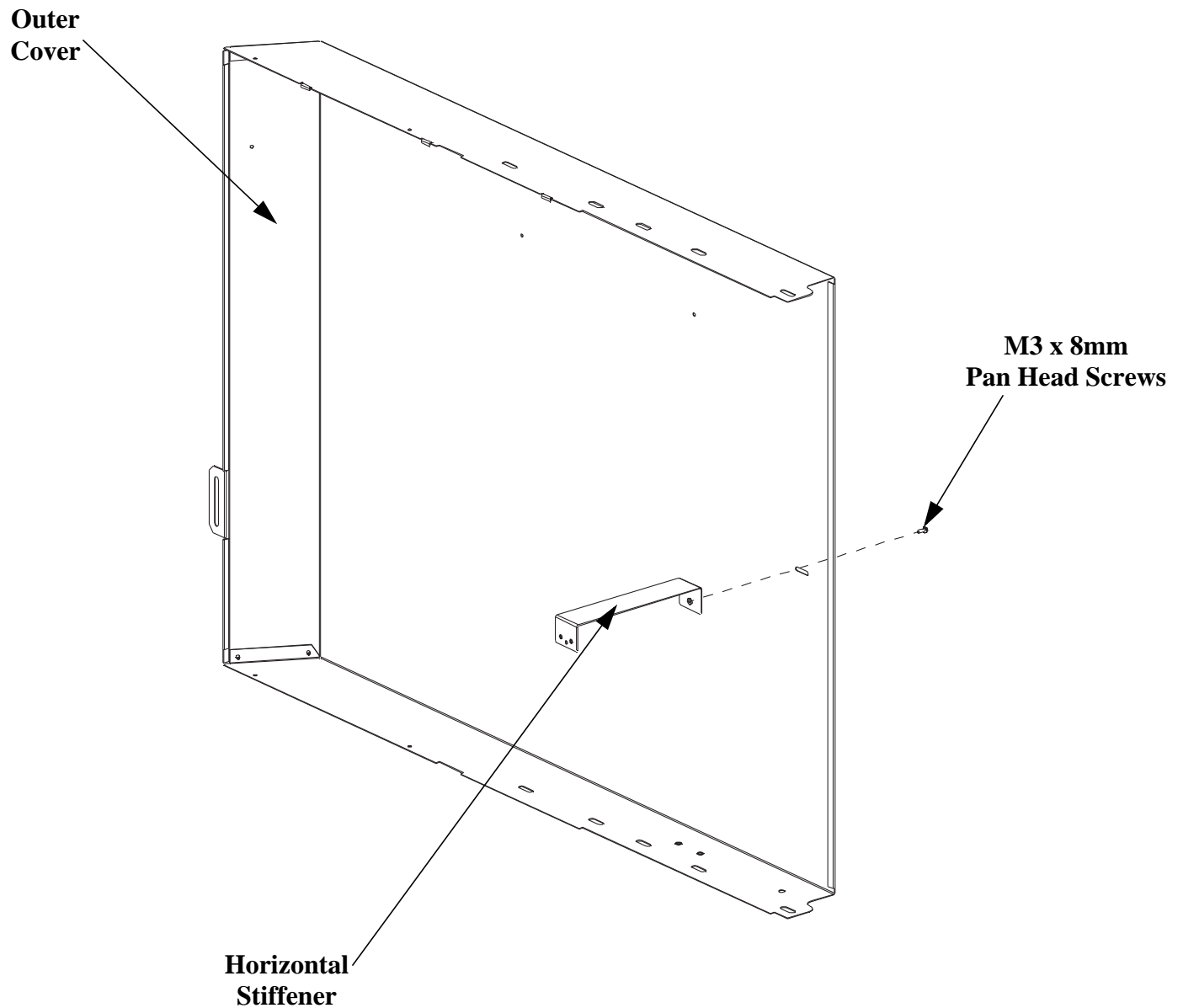
Installing Frame

- Align top of side duct frame with top of switch.
- Fasten duct frame to the cabinet front post with (2) M5 x 10mm hex head screws. **(Only use the slots on the top and bottom on the front of the frame. Middle slot will be used with outer cover.)**
- Loosen (4) M3 pan head screws on the frame brace. Adjust frame brace to align with cabinet rear equipment rail. Secure frame brace to cabinet rear equipment rail with (2) M5 x 10mm hex head screws. Fasten (4) M3 pan head screws.
- **NOTE: If, when attaching frame, there is an opening between the frame and switch cut and attach bulb seal along edge of frame as shown.**



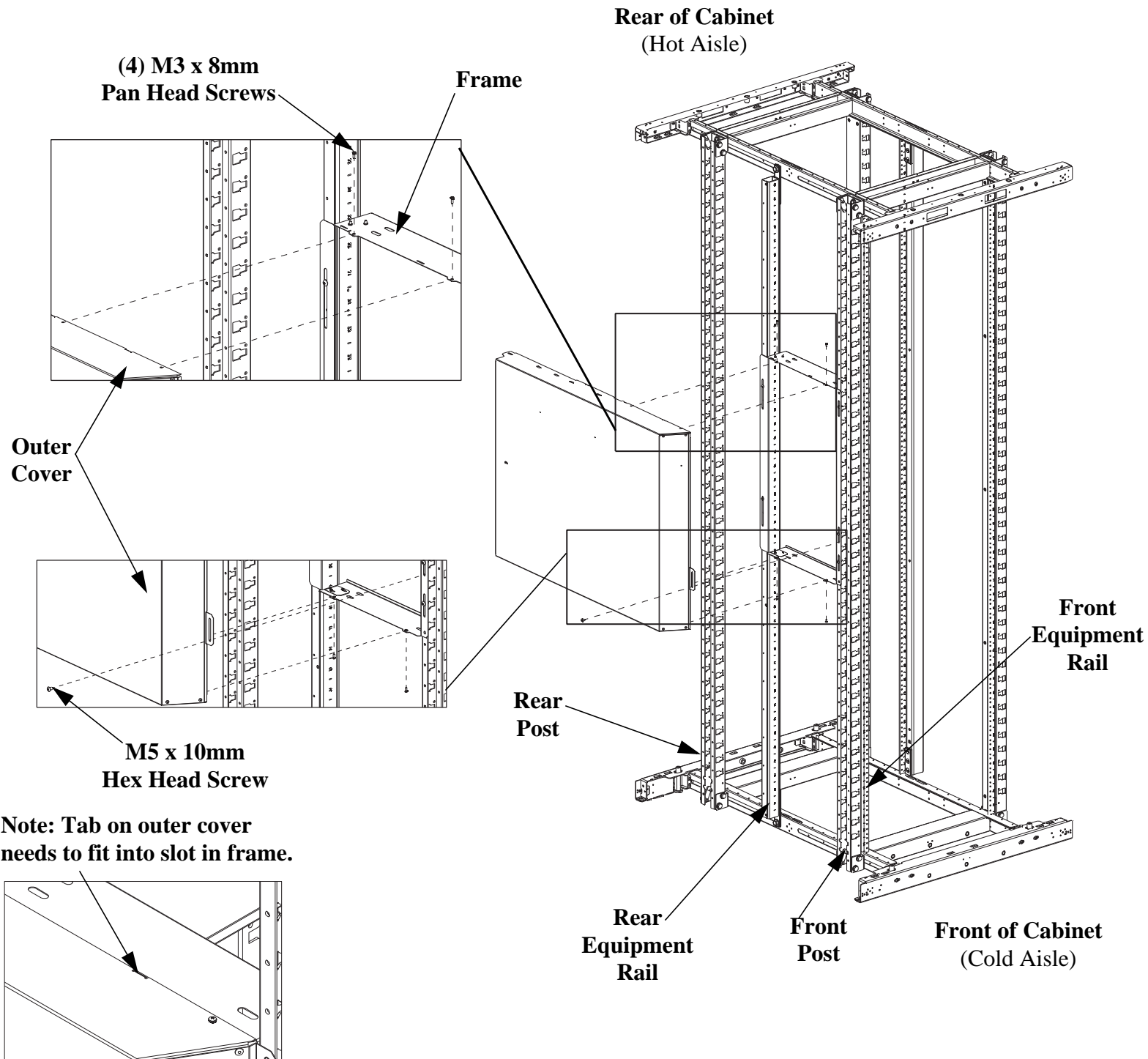
Attaching Horizontal Stiffener

- Attach horizontal stiffener to outer cover with (1) M3 x 8mm pan head screw.



Installing Outer Cover

- Attach outer cover to frame by sliding the tab on the outer cover into the slot in the frame.
- Fasten outer cover to the frame with (4) M3 x 8mm pan head screws.
- For 6509 attach outer cover to cabinet front post with (1) M5 x 10mm hex head screw.
- For 6513 attach outer cover to cabinet front post with (2) M5 x 10mm hex head screw.
- (After this page skip to page 10 for rest of installation)

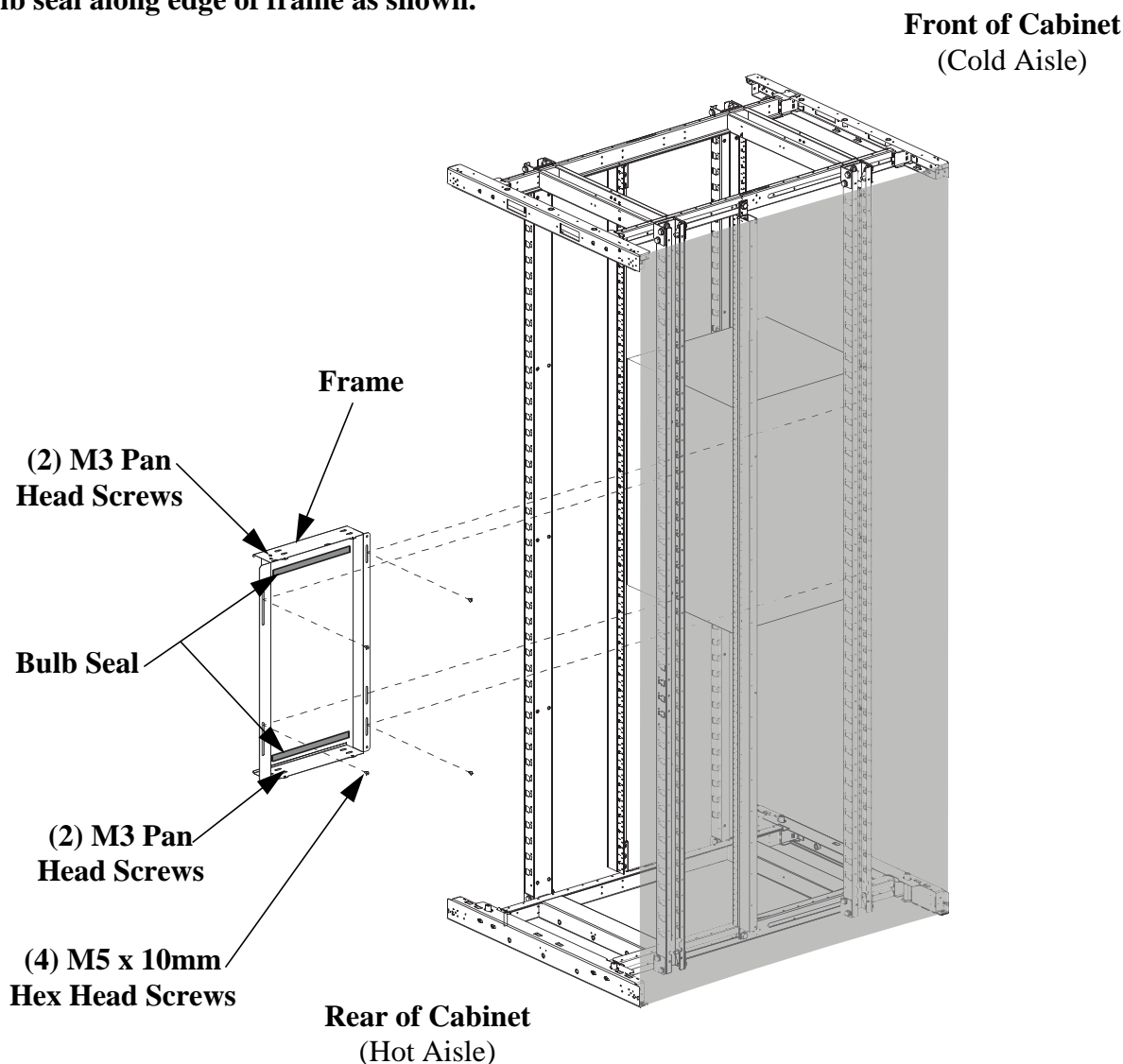


DAY 2

SIDE DUCT INSTALLATION

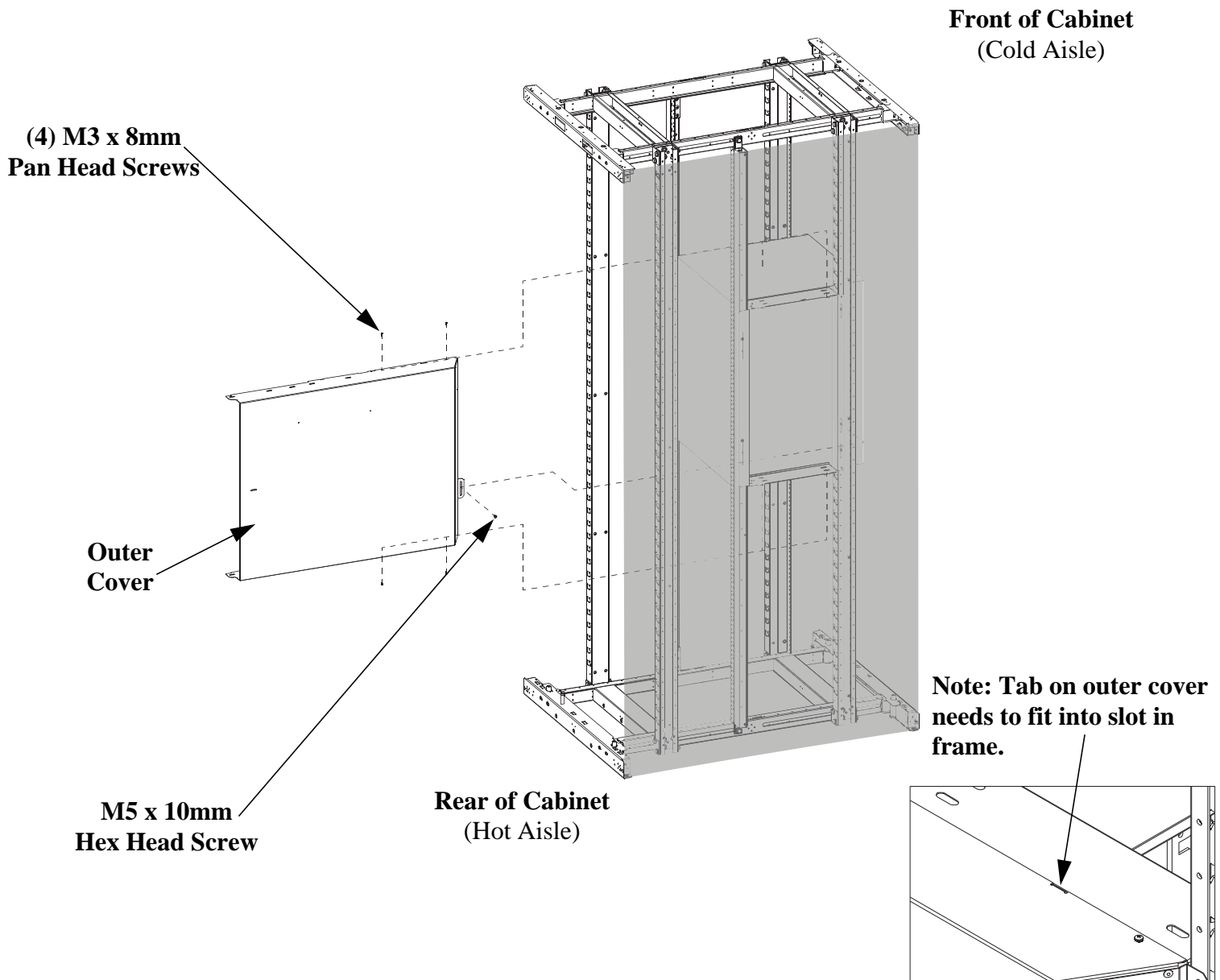
Installing Frame

- Slide frame into cabinet from the rear of the cabinet.
- Align top of side duct frame with top of switch.
- Fasten duct frame to the cabinet front post with (2) M5 x 10mm hex head screws. **(Only use the slots on the top and bottom on the front of the frame. Middle slot will be used with outer cover.)**
- Loosen (4) M3 pan head screws on the frame brace. Adjust frame brace to align with cabinet rear equipment rail. Secure frame brace to cabinet rear equipment rail with (2) M5 x 10mm hex head screws. Fasten (4) M3 pan head screws.
- **NOTE: If, when attaching frame, there is an opening between the frame and switch cut and attach bulb seal along edge of frame as shown.**



Installing Outer Cover

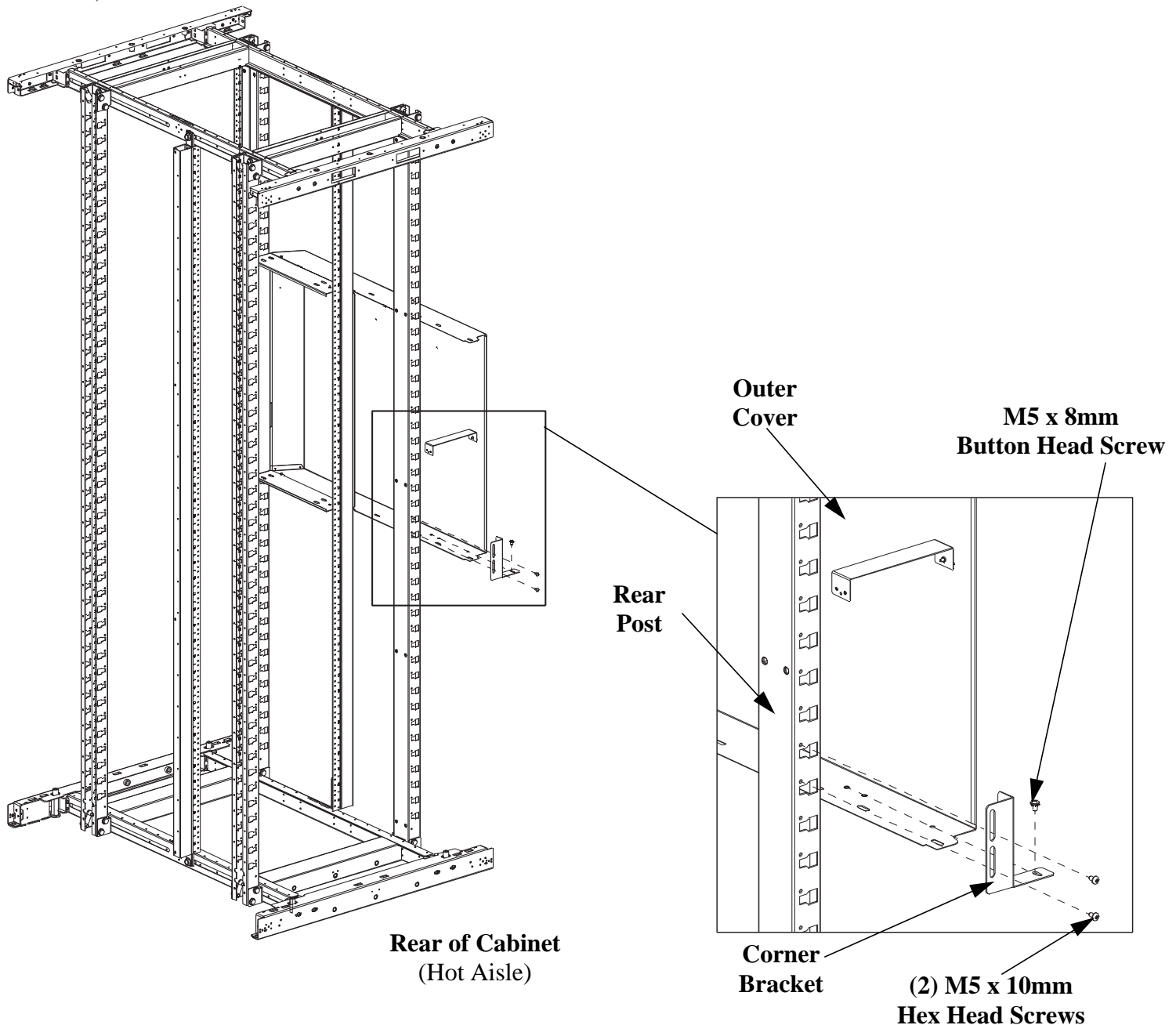
- Slide outer cover into cabinet from the rear of the cabinet.
- Attach outer cover to frame by sliding the tab on the outer cover into the slot in the frame.
- Fasten outer cover to the frame with (4) M3 x 8mm pan head screws.
- For 6509 attach outer cover to cabinet front post with (1) M5 x 10mm hex head screw.
- For 6513 attach outer cover to cabinet front post with (2) M5 x 10mm hex head screw.



Attaching Corner Bracket

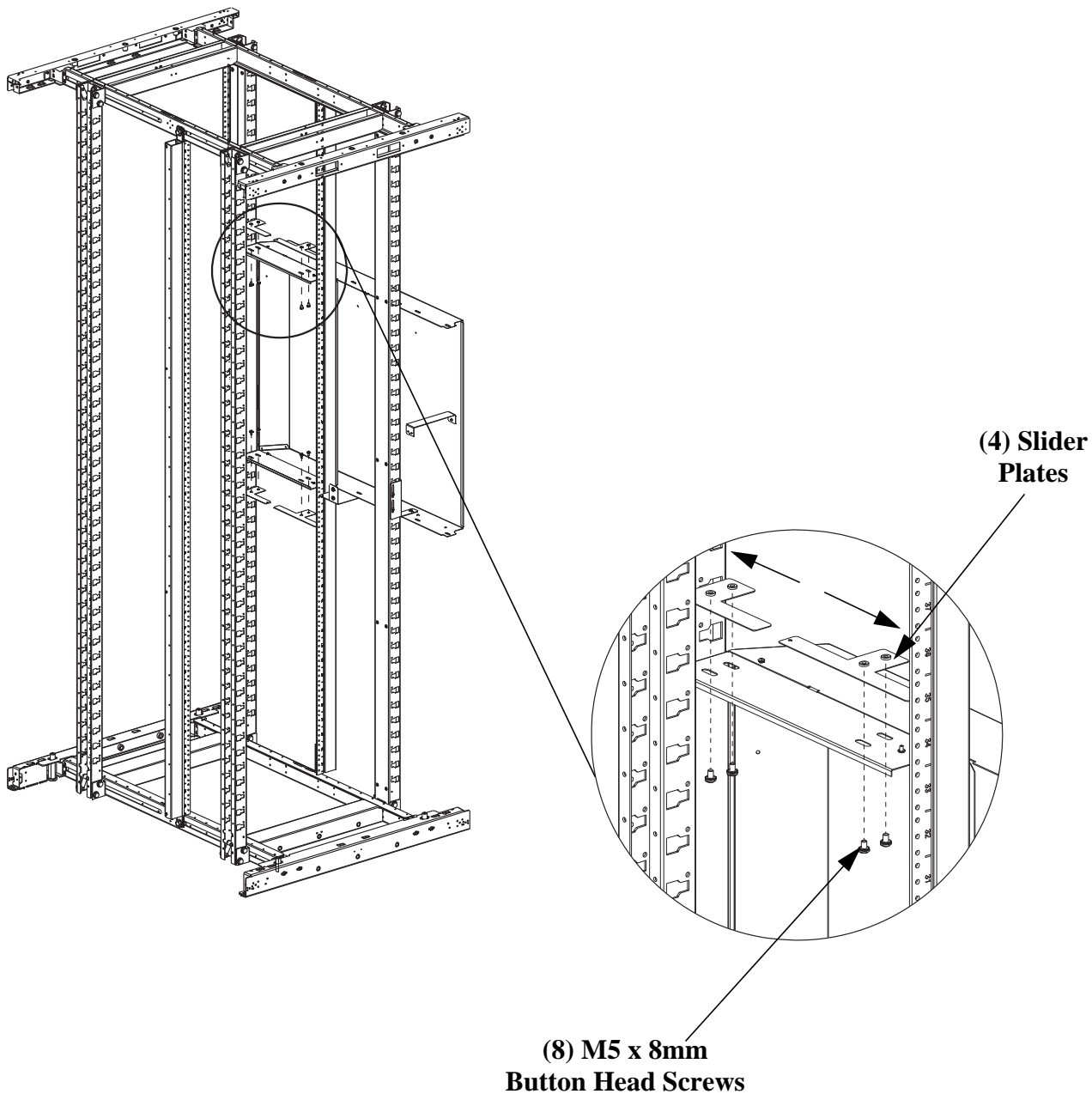
- Attach corner bracket to outer cover with (1) M5 x 8mm button head screw.
- Fasten corner bracket to cabinet rear post with (2) M5 x 10mm hex head screws. (Adjust corner bracket if needed.)

Front of Cabinet (Cold Aisle)



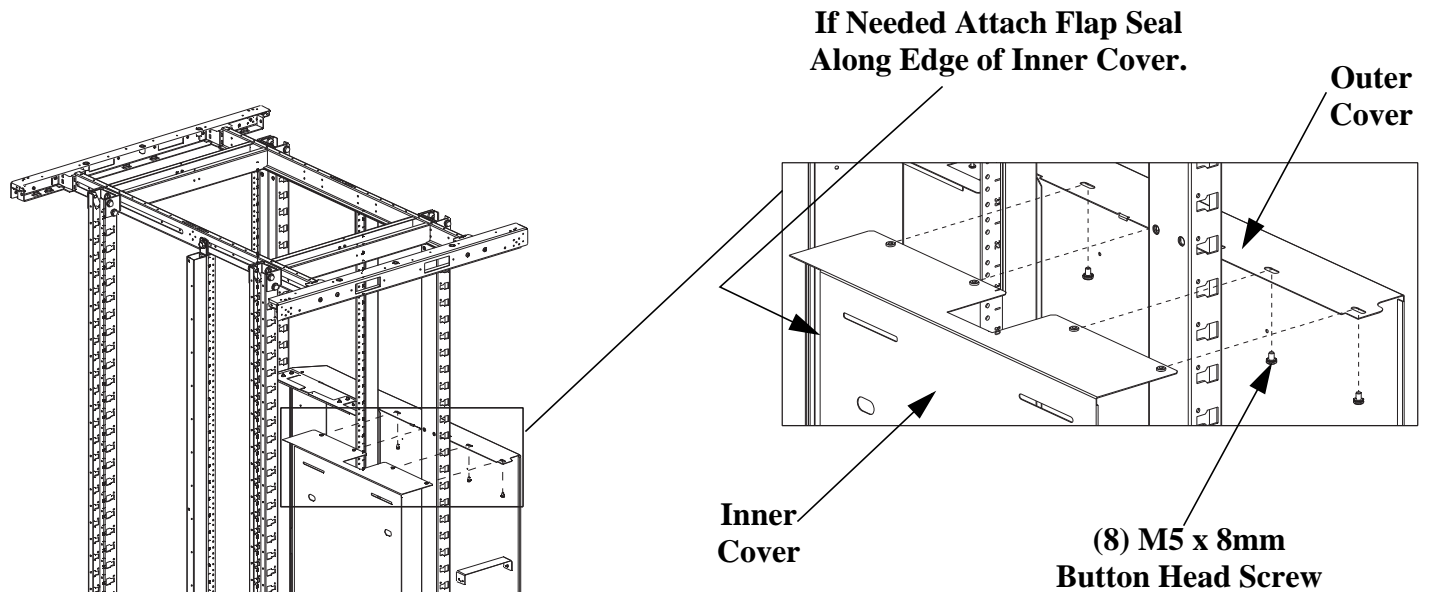
Attaching Slider Plates

- Attach (2) slider plates to the top of the inner cover and (2) slider plates to the bottom of the inner cover with (8) M5 x 8mm button head screws. (Do not tighten screws.)
- Slide slider plates into place to cover any opening by equipment rails and tighten screws.



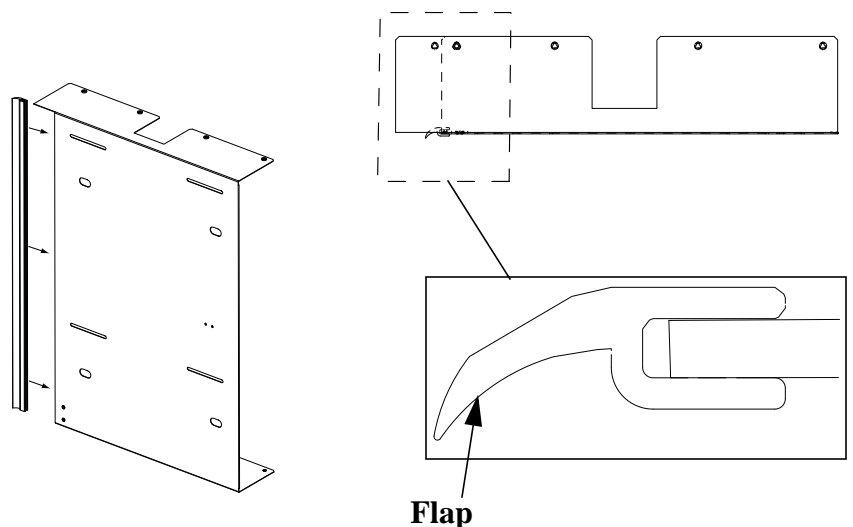
Attaching Inner Cover

- Attach inner cover to outer cover with (8) M5 x 8mm button head screws. (Do not tighten screws.)
- Slide inner cover all the way toward the front of the cabinet. If needed attach flap seal to inner cover to seal opening between inner cover and switch. Tighten screws.
- **Note: Inner cover slides over outer cover.**



Installing Flap Seals (for 6509 switch only)

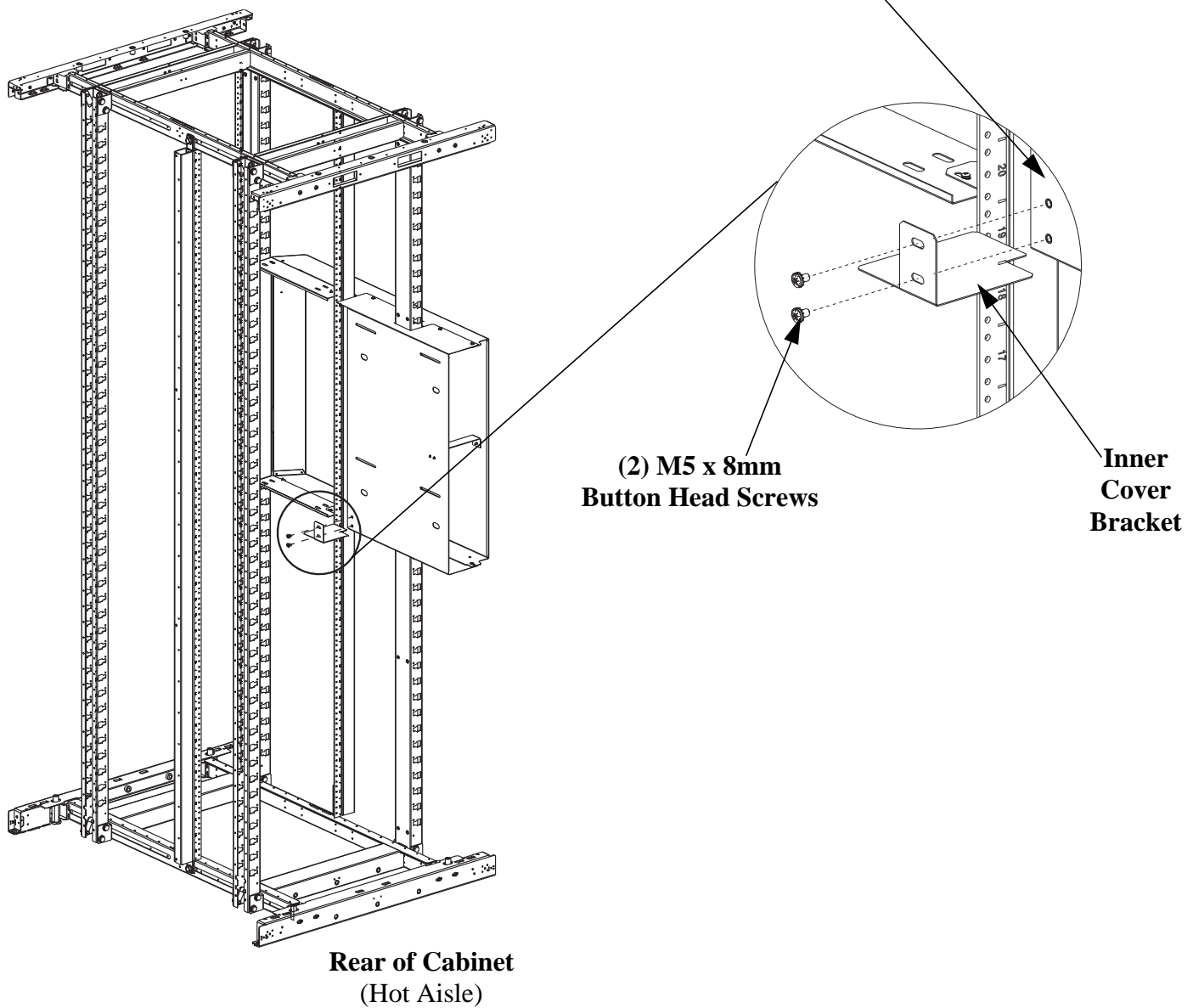
- Flap seal is to be installed with flap oriented as shown.



Attaching Inner Cover Bracket

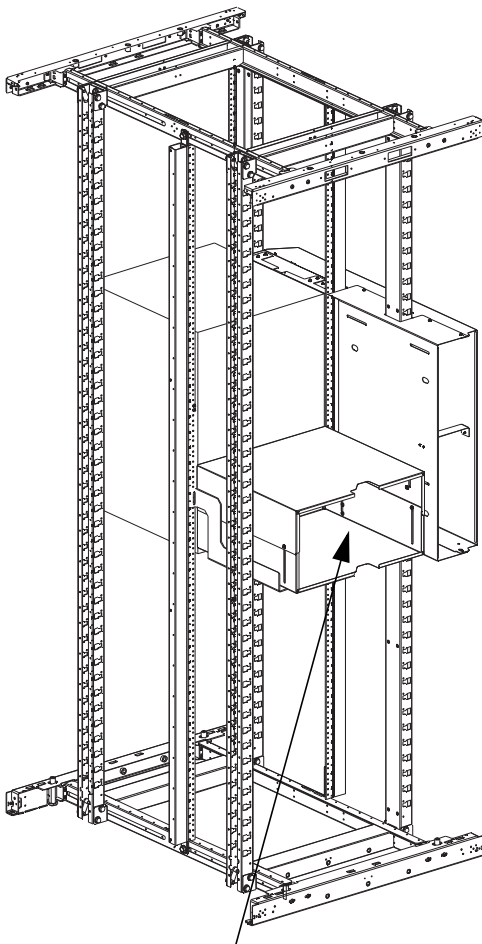
- Attach inner cover bracket to the inner cover with (2) M5 x 8mm button head screws.
- Slide inner cover bracket into place covering the opening by the equipment rail and tighten screws.

**Front of Cabinet
(Cold Aisle)**



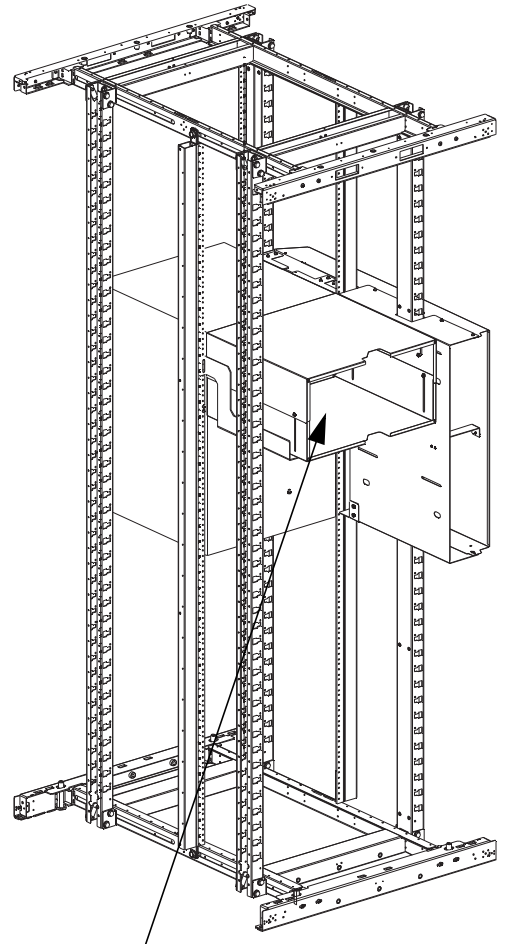
Locating Power Duct

- The 6509 and 6513 switches require the power duct to be located in the top mounting position.
- The 6509-E switch requires the power duct to be mounted in the bottom mounting position.



**Power Ducting Mounted
At Bottom Of Switch**

**Power Ducting Configuration for
Cisco 6509-E Switch**

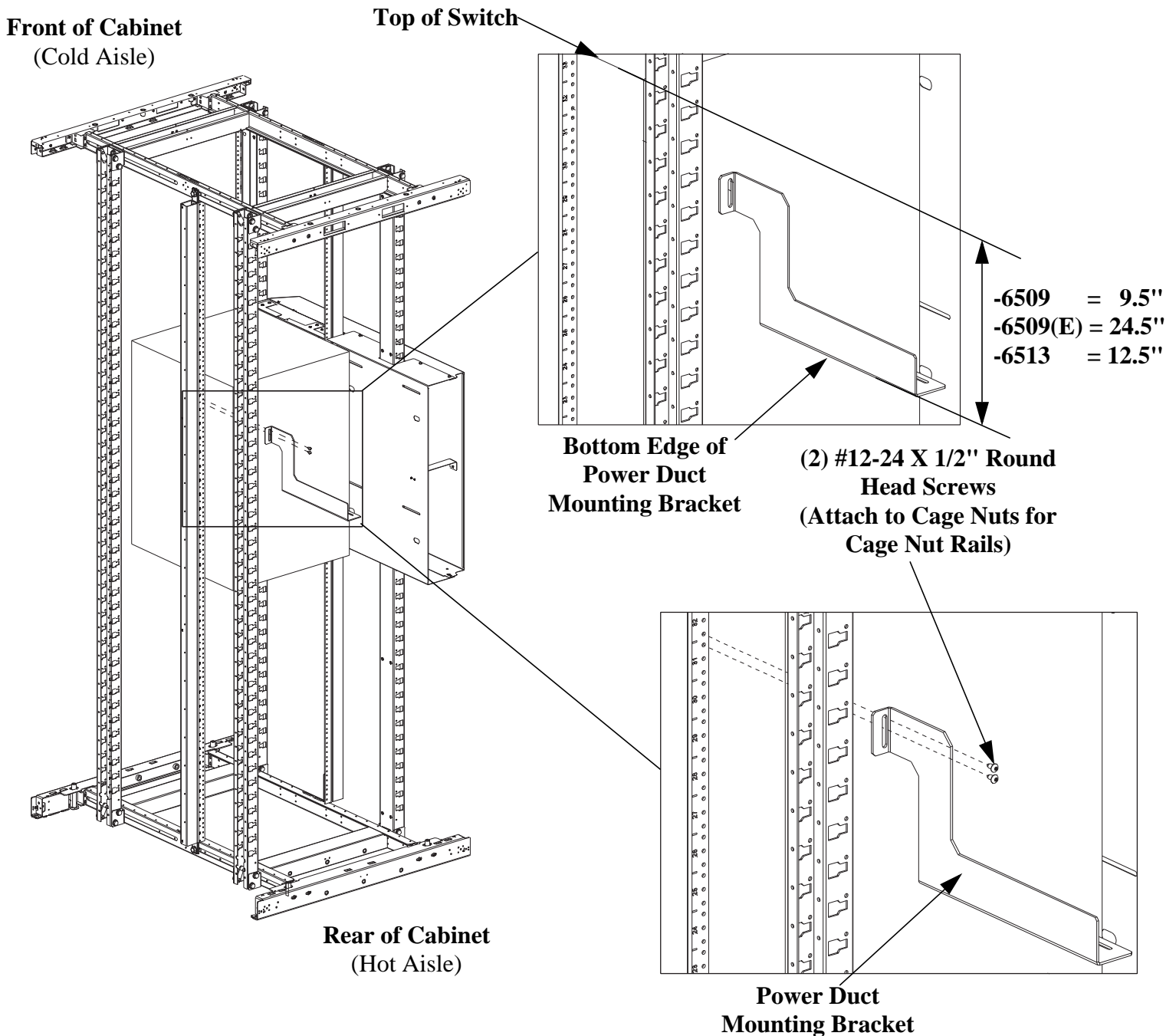


**Power Ducting Mounted
At Top Of Switch**

**Power Ducting Configuration for
Cisco 6509 and 6513 Switches**

Locating and Installing Power Duct Mounting Bracket

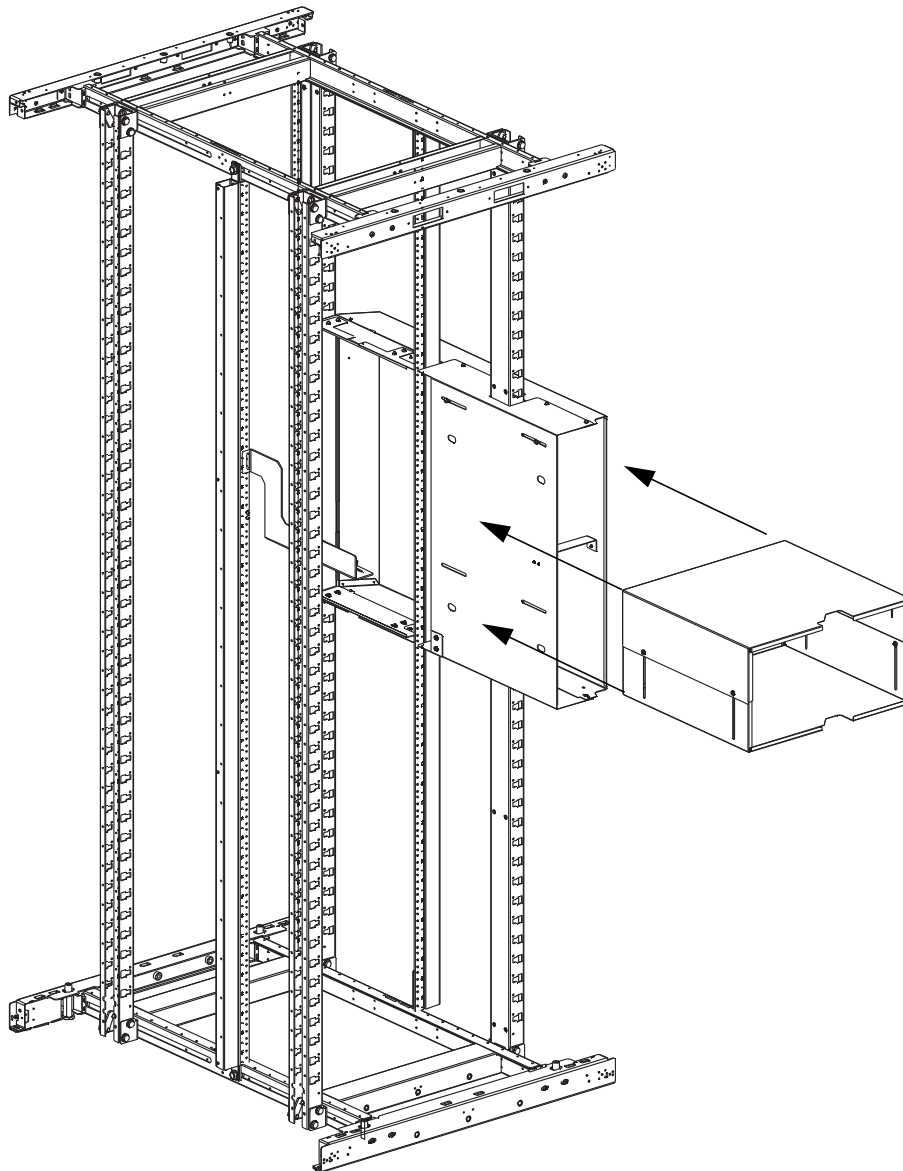
- To locate power duct mounting bracket measure distance from top of switch to the bottom edge of the power duct mounting bracket.
- The location of the power duct mounting bracket for each switch is as follows:
 - 6509 = 9.5"
 - 6509(E) = 24.5"
 - 6513 = 12.5"
- Attach power duct mounting bracket to the equipment rail with (2) #12-24 X 1/2" round head screws.
- NOTE: Install (2) cage nuts into rail for cage nut rails prior to power duct mounting bracket installation.**



Installing Power Duct

- Slide the power duct into place on the power duct mounting bracket until it is against the switch.

Front of Cabinet
(Cold Aisle)



Rear of Cabinet
(Hot Aisle)

Securing Power Duct

- Secure bottom of power duct to mounting bracket with (2) M5 x 8mm pan head screws and (2) M5 nuts.
- Attach side of power duct to inner cover with (2) M5 x 8mm pan head screws and (2) M5 nuts.
- **NOTE: Visually level duct and verify that the duct aligns with switch exhaust opening.**

